



November 5, 2015

Mr. Christopher Bonsignore, P.E.  
Principal Engineer  
Environmental Compliance Section  
Bureau of Engineering and Highway Operations  
State of Connecticut Department of Transportation  
2800 Berlin Turnpike, P.O. Box 317546  
Newington, CT 06131-7546

Attention: Adam Fox, P.E. / Roger Levesque, P.E.

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance  
Agreement No. 08.24-03(11)  
HazMat Inspection - Bridge No. 03093, I-91 over Quinnipiac River/North Front Street,  
New Haven, CT  
ConnDOT Assignment No. 504-5040  
ConnDOT Project No. 92-668  
TRC Project No. 183572.5040.00710

Dear Mr. Bonsignore:

TRC performed a limited survey for hazardous building materials associated with the planned rehabilitation of Bridge No. 03093 in New Haven, Connecticut. Results of the survey identified lead paint to be present on the structural steel/metal bridge components (16.0-19.7 mg/cm<sup>2</sup>) of Bridge No. 03093. Results obtained from TCLP waste stream sampling and analysis for leachable lead on the structural steel and metal bridge surfaces, characterized the paint waste stream at Bridge No. 03093 as EPA RCRA/CTDEEP hazardous waste (57 mg/l). No suspect asbestos containing materials were identified in accessible areas of the bridge. Bird/pigeon guano accumulations were identified on the beams and underside of Bridge No. 03093. Associated laboratory data is attached.

If you have any questions, please call TRC at (860) 298-9692.

Very Truly Yours,

TRC

A handwritten signature in black ink, appearing to read "Erik R. Plimpton".

Erik R. Plimpton, P.E., CHMM  
Program Manager

A handwritten signature in black ink, appearing to read "E. Burke".

E. Burke, P.E.  
Engineer in Charge



Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

80 Lupes Drive  
Stratford, CT 06615



Tel: (203) 377-9984  
Fax: (203) 377-9952  
e-mail: cet1@cetlabs.com

Client: Mr. Jonathan Gentile  
TRC Environmental Consultants  
21 Griffin Rd., North  
Windsor, CT 06095

## Analytical Report

### CET# 4090425

Report Date: September 19, 2014  
Project: CTDOT, Bridge 3093, New Haven  
Project Number: 183572.5040.0710

Connecticut Laboratory Certificate: PH 0116  
Massachusetts laboratory Certificate.: M-CT903



New York Certification: 11982  
Rhode Island Certification: 199

CET #:4090425

Project: CTDOT, Bridge 3093, New Haven

Project Number: 183572.5040.0710

### SAMPLE SUMMARY

The sample(s) were received at 13.2°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01	4090425-01	Paint Chip	9/15/2014 10:00	09/16/2014
02	4090425-02	Paint Chip	9/15/2014 10:40	09/16/2014

**Analyte: Total Lead [EPA 6010C]**

**Analyst: SS**

**Prep: EPA 3050B**

**Matrix: Paint Chip**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4090425-02	02	ND	0.10	%	1	B4I1836	09/18/2014	09/18/2014 22:17	

**Analyte: TCLP Lead [EPA 6020A]**

**Analyst: SS**

**Prep: EPA 3005A-1311**

**Matrix: Extract**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4090425-01	01	57	0.013	mg/L	1	B4I1841	09/18/2014	09/18/2014 22:07	

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com

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Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,



David Ditta  
Laboratory Director

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +/- The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

